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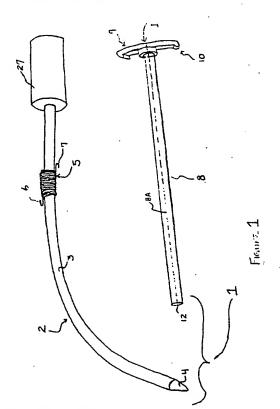
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(54) Insertion and tunneling tool for a subcutaneous wire patch electrode.

A tool (1) for subcutaneously implanting a subcutaneous electrode comprising several wire patch electrode segments by way of a single surgical incision. The tunneling tool (1) comprises a stylet (2) and a peel-away sheath (8). The tunneling tool (1) is inserted into an incision, in a direction which corresponds to the desired placement of an electrode segment. Once the tunneling tool reaches a desired position, the stylet (2) is withdrawn, thereby revealing the interior of the peel-away sheath (8) and a resulting subcutaneous tunnel. The corresponding electrode segment is then inserted into this subcutaneous tunnel, and subsequently implanted in the patient. The implantation procedure is then repeated as many times as is necessary, using the same incision, until all the electrode segments for the particular electrode configuration have been implanted. In addition, the tunneling tool (1) can be adapted to conform to varying electrode segment sizes, which thereby allows the tool to conform to the varying needs of each individual patient. As an even further feature, the tunneling tool (1) can be constructed in a curved configuration to facilitate electrode implantation in the lateral thoracic region of the body.



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which under Rule 45 of the European Patent Convention
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proceedings, as the European search report

·	DOCUMENTS CONS	EP 92305073.6			
ategory	Citation of document wi	th indication, where appropriate, rant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CI.)	
x	<u>US - A - 4 596</u> (J.J. FLEISCH	5 559 HACKER)	1-3,7, 11,12	A 61 N 1/372	
Y	* Totality	*	9,10		
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Y A	* Totality	*	9,10 2,3,11		
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Y A	* Totality	*	9,10 2,3,11		
Y	GB - A - 2 103 (H.G. WALLACE * Figure 1;	3 936 LTD.) abstract; page 1	9		
	lines 3-5	5; claims 1,2 *		TECHNICAL FIELDS SEARCHED (Int. CIT)	
Y	EP - A - 0 362 (CATHETER) TECH		10	A 61 B A 61 M	
INCO	MPLETE SEARCH			A 61 N	
the provision a mea Claims se Claims se Claims no Reason to Median	sions of the European Patent Conve iningful search into the state of the ai larched completely: 1-12 sarched incompletely: of searched: 13-1 or the limitation of the search:	8 at of the human or very or therapy	ot comply with		
VI	Place of search ENNA	Date of completion of the search 17-09-1992	LUDV	Examiner VIG	
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken elone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons A: member of the same patent family, corresponding document					



	CLA	AIMS INCURRING FEES					
The	oresent	European patent application comprised at the time of filing more than ten claims.					
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	J	All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.					
[Only part of the claims fees have been paid within the prescribed time limit. The present European search					
		report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,					
		namely claims:					
{		No claims fees have been pald within the prescribed time limit. The present European search report has been					
		drawn up for the first ten claims.					
∇	LA	CK OF UNITY OF INVENTION					
The	Search	Division considers that the present European patent application does not comply with the requirement of unity of					
		nd relates to several inventions or groups of inventions,					
nam	eły:	1. Claims: 1-12: ("A funneling fool for")					
]		2. Claims: 19-25: ("A body implantable					
		electrode")					
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		All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.					
		Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid,					
		namely claims:					
	X	None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.					
1		namely claims: 1=12					



PARTIAL EUROPEAN SEARCH REPORT

Application number

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EP 92305073.6

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ategory	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	APPLICATION (Int. CI.X) 5	
	CORPORATION) * Figure 1; abstract; column 1, lines 1-13; column 2, lines 15-32; column 5, lines 4-11; column 8, lines 20-27; claims 1,20 * DE - A - 2 929 233 (MEDTRONIC INC.) * Fig. 1; claims 1,3,5; page 13, line 6 - page 16, line 15 *			
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